

INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/01197

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N15/62 C07K14/31

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBL, EPO-Internal, PAJ, WPI Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CALLAWAY JAMES E ET AL: "Modification of the C-terminus of cecropin is essential for broad-spectrum antimicrobial activity" ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol. 37, no. 8, 1993, pages 1614-1619, XP002265451 ISSN: 0066-4804 abstract --- -/--	1-32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as, specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

18 December 2003

Date of mailing of the international search report

13/01/2004

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PCT/ 03/01197

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HUTH J R ET AL: "DESIGN OF AN EXPRESSION SYSTEM FOR DETECTING FOLDED PROTEIN DOMAINS AND MAPPING MACROMOLECULAR INTERACTIONS BY NMR"</p> <p>PROTEIN SCIENCE, CAMBRIDGE UNIVERSITY PRESS, CAMBRIDGE, GB, vol. 6, no. 11, November 1997 (1997-11), pages 2359-2364, XP001041111 ISSN: 0961-8368 See especially Results and discussion, first two paragraphs</p> <p style="text-align: center;">---</p>	1-32
X	<p>US 5 206 154 A (LAI JIUNU ET AL) 27 April 1993 (1993-04-27) examples 1-4</p> <p style="text-align: center;">---</p>	1-32
A	<p>KULIOPULOS ATHAN ET AL: "Production, purification, and cleavage of tandem repeats of recombinant peptides"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 116, no. 11, 1994, pages 4599-4607, XP002265452 ISSN: 0002-7863</p> <p style="text-align: center;">---</p>	
A	<p>LEMMON M A ET AL: "GLYCOPHORIN A DIMERIZATION IS DRIVEN BY SPECIFIC INTERACTIONS BETWEEN TRANSMEMBRANE ALPHA-HELICES"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 267, no. 11, 1992, pages 7683-7689, XP002265453 ISSN: 0021-9258</p> <p style="text-align: center;">---</p>	
A	<p>LAAGE R ET AL: "Strategies for prokaryotic expression of eukaryotic membrane proteins."</p> <p>TRAFFIC (COPENHAGEN, DENMARK) DENMARK FEB 2001, vol. 2, no. 2, February 2001 (2001-02), pages 99-104, XP009023195 ISSN: 1398-9219</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	

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PCT/03/01197

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE EMBL 'Online! 30 May 1996 (1996-05-30) SHORTLE D: "nuclease 'Staphylococcus aureus!" retrieved from EMBL Database accession no. CAA24594 XP002265456 the whole document -& SHORTLE D: "A GENETIC SYSTEM FOR ANALYSIS OF STAPHYLOCOCCAL NUCLEASE" GENE (AMSTERDAM), vol. 22, no. 2-3, 1983, pages 181-190, XP009022247 ISSN: 0387-1119</p> <p>---</p>	
A	<p>WALKENHORST WILLIAM F ET AL: "Kinetic evidence for folding and unfolding intermediates in staphylococcal nuclease" BIOCHEMISTRY, vol. 36, no. 19, 1997, pages 5795-5805, XP002265454 ISSN: 0006-2960 cited in the application</p> <p>---</p>	
A	<p>MAKI KOSUKE ET AL: "Effects of proline mutations on the folding of staphylococcal nuclease" BIOCHEMISTRY, vol. 38, no. 7, 16 February 1999 (1999-02-16), pages 2213-2223, XP002265455 ISSN: 0006-2960 cited in the application</p> <p>---</p>	
A	<p>TSONG T Y AND SU Z-D: "Does Proline Isomerization Shape the Folding Funnel of the Wild Type and Mutant Staphylococcal Nuclease?" FRAUENFELDER, H. (ED.) BIOLOGICAL PHYSICS: THIRD INTERNATIONAL SYMPOSIUM, AIP CONFERENCE PROCEEDING 487, SANTA FE, NEW MEXICO, USA, SEPTEMBER 20-24, 1998, October 1999 (1999-10), pages 37-53, XP002265574</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

on patent family members

International Application No

PCT/93/01197

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5206154	A	27-04-1993	US 5028530 A	02-07-1991
			US 5344765 A	06-09-1994
			US 5357044 A	18-10-1994
			AT 101203 T	15-02-1994
			AT 153377 T	15-06-1997
			DE 3650625 D1	26-06-1997
			DE 3650625 T2	02-10-1997
			DE 3689598 D1	17-03-1994
			DE 3689598 T2	30-06-1994
			EP 0211047 A1	25-02-1987
			EP 0460709 A1	11-12-1991
			FI 863891 A ,B,	26-09-1986
			JP 7067684 A	14-03-1995
			JP 8029112 B	27-03-1996
			JP 8002308 B	17-01-1996
			JP 62501538 T	25-06-1987
			NO 863806 A ,B,	19-11-1986
			US 5166321 A	24-11-1992
			WO 8604356 A1	31-07-1986